Square Profile Pressure Gauge
SQ100



Introduction

The pressure gauges series SQ100 in rectangular or squared enclosure have an accurate construction and standardized dimensions for mounting in parallel with electric instrumentation in centralized control rooms.

Specifications

- Diameters: 144x144 - 144x72 – 96x96mm DIN43700 (Option 72x72)
- Mounting: Horizontal or vertical (only for model C and C/2)
- Case and Front: black painted Steel, with plastic front
- Protection degree: IP55 (IP65 only for mod. 96x96 filled) EN60529/IEC529
- Transparent: glass or acrylic 4mm, gasket in neoprene
- Movement: st. st., reinforced
- Dial: aluminium with black numerals on white back ground
- Pointer: st., black painted, micrometric adjustable
- Gasket to the pivot : Neoprene
- Sensing element: Bourdon tube type, with “C” form from pressure ≥60 bar, helical wound for pressure ≥60 bar
- Element material: AISI 316
- Connection material : AISI 316
- Connection dimension: ½”NPTM or BSPM
- Mounting: panel with rear bracket and connection
- Ranges: see table at page 2
- Overpressure: +30% F.S. for range up to 60 bar
- Accuracy: class 1, acc. to EN837 at 20°C
- Ambient temperature limit: -30/+60°C
- Fluid temperature limit: -30/+120°C element in AISI316, -30/+230°C element in MONEL
- Temperature error: 0,035%/°C in range 0/60°C
- Construction acc. to ATEX directive 94/9/EC , gr.II cat. 2GDc (on request)
- Construction according to PED directive 97/23/EC (on request)

Options

- Glycerine filling for T.amb.-25/+60°C (only Type B dimensions 96x96)
- Other types of filling fluids (only for model B dimensions 96x96)
- Special scale
- Double scale for model C
- Maximum red pointer settable from front
- Mounting with diaphragm seal (see related datasheet)
- Electrical contacts (see related datasheet)
- Pulsation dampener (see related datasheet)
- Overpressure protector (see related datasheet)
- Syphon (see related datasheet)
- Needle valve (see related datasheet)

Available certification

- 2.1 certificate of conformity
- 3.1 material certificate
- Test certificate for indication accuracy
- ATEX 94/9/EC conformity certificate (for ATEX version)

How to order

Please specify: model, mounting, case diameter, range, connection, options, certificates
Example: SQ100, A, 96x96, 0/25 bar, ½” BSPM,

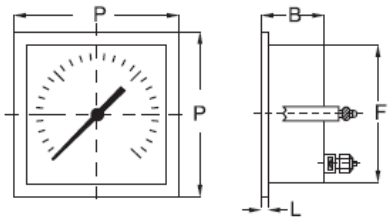
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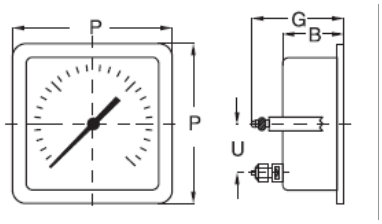
Pressure														
bar	0/0,6	0/1	0/1,6	0/2,5	0/4	0/6	0/10	0/16	0/25	0/40	0/60	0/100	0/160	0/250
psi		0/15	0/30	0/60	0/100	1/160	0/200	0/300	0/400	0/600	0/800	0/1000	0/1500	0/2000
bar	0/315	0/400	0/600	0/1000	0/1600									
psi	0/5000	0/6000	0/10000	0/15000										

Vacuum and compound								
bar	-1/0	-1/+0,6	-1/+1,5	-1/3	-1/+5	-1/+9	-1/+15	-1/+24
psi	-100/0		-100/+150	-100/+300	-100/+500	-100/+900	-100/+1500	-100/+2400

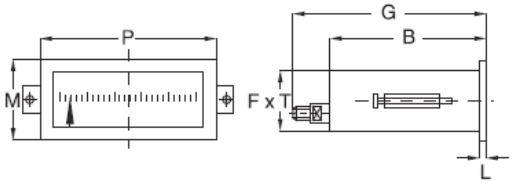
Other ranges and double scales available on request



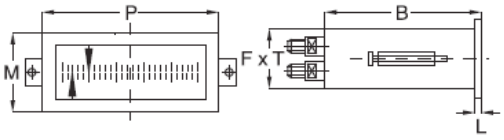
Type A: 96x96 or 144x144



Type B: 96x96



Type C: 144x72 (single element)



Type C2: 144x72 (double element)

Type	Dimensions	B	P	L	M	T	F	G	U
A	96 x 96	49	98	8	-	90	-	82	19
A	144 x 144	51	144	8	-	135	-	86	28
B	96 x 96	49	98	8	-	90	-	82	19
C	144 x 72	144	146	8	72	137	120	183	-
C/2	144 x 72	144	146	8	72	137	120	183	-

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